BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1500000.00

Name of Work: Detailed Estimate for the work of Constrction of Drains and improvement of roads at venkatala lake view layout in ward no-01 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3, No. 138/ Item No. 19.1/ PWD SR 2014-15	cum							
			1	190.00	6.00	0.23	262.20		
							262.20	75.60	19822.00
	Area Weightage @ 8%	5.60							
	Total	75.60							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2014-15	cum							
	for RCC drain		1	97.00	1.00	0.90	87.00		
							87.00	176.04	15315.00
	Basic Rate	163.00							
	Area Weightage @ 8%	13.04							
	Total	176.04							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2014-15)	cum							
			Vide Item No. 1+2				349.20	79.10	27621.00
	Basic Rate for loading and unloading	63.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4	10.24							
		73.24							
	Area Weightage @ 8%	5.86							
	Total	79.10							
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement at 180kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	Cum							
	for RCC drain		1	97.00	1.00	0.15	14.33		
							14.33	4847.04	69458.00
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	4847.04							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Retirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1.4.6, No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum							
	for drain bed		1	97.00	1.00	0.20	19.40		
	side walls		4	97.00	0.15	0.46	26.96		
							46.36	**6065.28**	**281166.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
6	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2014-15	Quintal							
	90Kg/cum		0.900	46.36			41.72		
				46.36			**41.72**	**7254.80**	**302699.00**
	Basic Rate	7254.80							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2014-15	sqm							
	side walls for drain		4	97.00	0.60		232.80		
							232.80	292.68	68136.00
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	292.68							
11	RCC Precast covering slab for drain (10cm thick)	sqm							
			1	85.00	0.60		51.00		
							51.00	1498.00	76398.00
	Rate Approved by BBMP	1498.00							
2	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 154, item No 20.18 SR 2014-15	cum							
	venkatala connecting road		1	190.00	5.50	0.20	209.00		
							209.00	1438.56	300659.00
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	1438.56							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRRB M500-6: providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, No. 157 item No 21.6 SR 2014-15	sqm							
	venkatala connecting road		1	190.00	5.50		1045.00		
							1045.00	35.21	36792.00
	Basic Rate	32.60							
	Area Weightage @ 8%	2.61							
	Total	35.21							
6	KSRRB M500-18: providing and laying Semidence bituminous concrete using crushed aggregates of specified grading premixed with bituminous binder filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 508 using 40-60 TPH capacity HMP with mechanical paver grading II (25-30mm) with 5% CRMB -55 grade, No. 160/ Item No. 21.21.6 SR 2014-15	cum							
	venkatala connecting road		1	190.00	5.50	0.025	26.13		
	Basic Rate	10066.00					26.13	10871.28	284012.00
	Area Weightage @ 8%	805.28							
	Total	10871.28							
7	1% of Quality control charges								15000.00
8	Miscellaneous charges								969.00
								Total	1500000.00
	(Rupees fifteen Lakhs Only)								

Administrative Sanction for Rs. 15.00 lakhs
Is accord... page P 1771 2014-15
Registered as CC No. 33 Dt. 27.10.14 Subject
... contained in ... Dt. ... AE/JE ... JA

TECHNICALLY SANCTIONED FOR Rs. 15.00 lakhs
Rupees Fifteen Lakhs only
Under P 1771 - 2014-15
Registered as CC ( ) No. 9 9
Subject to conditions contained in
enclosed memo Dt. ( ) No. /9/
Dt. Estimate is Sanctioned
EE/YNK/TS/37/14-15
Dated 28/10/14 Rs. 15.00 lakhs
Executive Engineer

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2014-15
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Construction of drains and improvement of roads at Venkatal
lake view layout in ward NO-01 of Yelahanka Sub divisi

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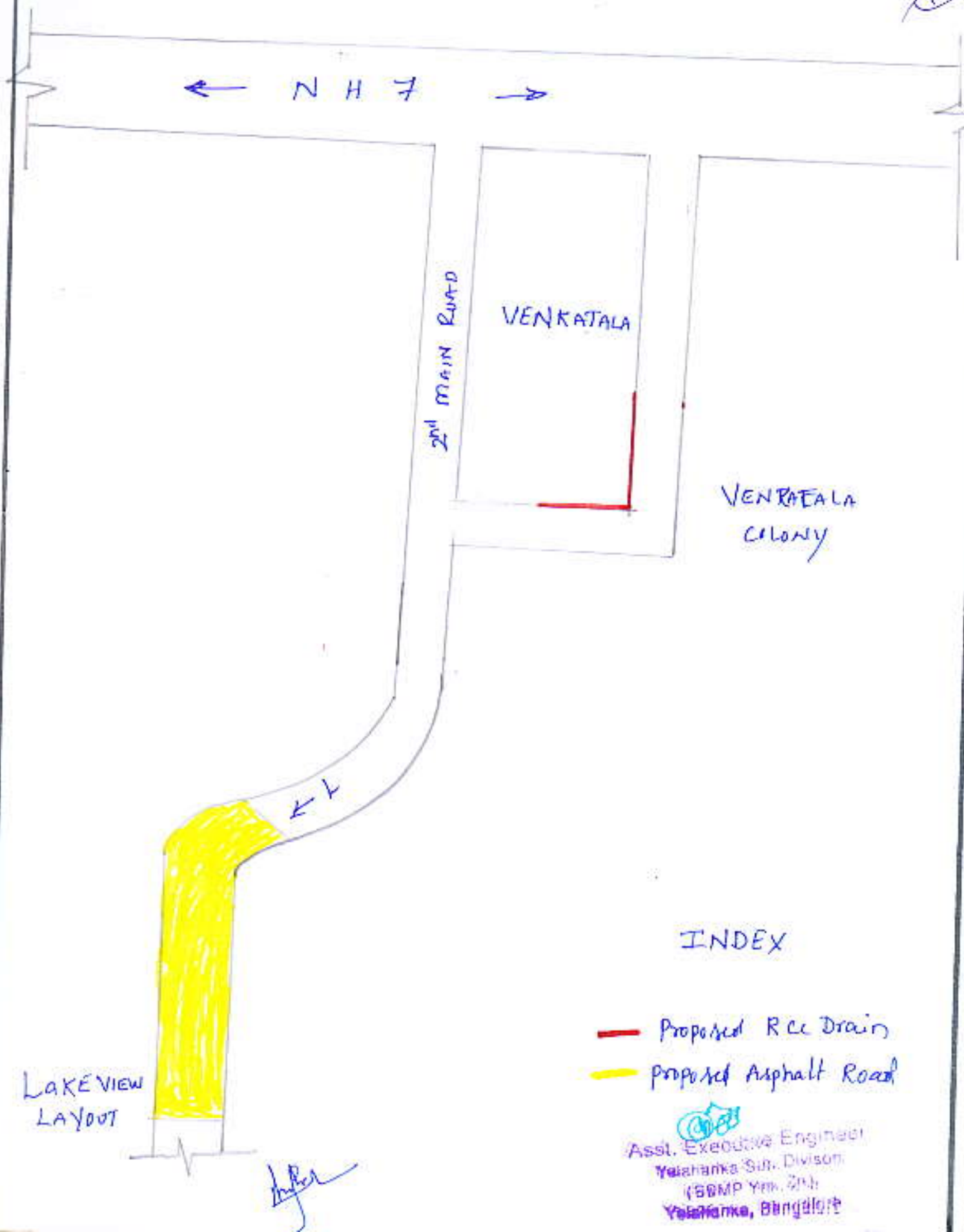

Assl. Executive Engineer
Yelahanka Sub. Divison
(SBMP Yelk. Zone)
Yelahanka, Bangalore